

ABSTRACT OF THE DISCLOSURE

In a system and method for sensing the occupancy of an area, the system includes an occupancy sensor, adapted to activate upon sensing the occupancy of the area, and to maintain activation when sensing the continuing occupancy of the area. The occupancy sensor includes an infrared sensor section, adapted to  
5 passively sense the occupancy of the area, and to activate upon sensing the occupancy of the area. The occupancy sensor further includes an ultrasonic sensor section, adapted to actively sense the occupancy of the area, and to activate upon sensing the occupancy of the area. The occupancy sensor is adapted to activate when the infrared sensor section senses occupancy of the  
10 area, and to maintain activation when either the infrared sensor section or the ultrasonic sensor section senses continuing occupancy of the area. The occupancy sensor is also adapted to self-adjust the activating setting thereof, for self-adjusted activation responsive thereto.